

IN 5 A 57 CLAIMS:

1. A camera comprising:

- a lens system for focusing the image of a subject on a sensitive plate,
- an image processing device utilizing filters for performing an image compression transformation,

5 - a control system acting on the lens system to ensure a sharp image of the subject on the sensitive plate, the system comprising at least a first high-pass image filter and a first low-pass image filter in the form of summers of the results of the compression transformation, characterized in that said image filters utilize filters of the image processing device.

10 2. An apparatus as claimed in claim 1, characterized in that the summers are filters adapted to the said compression of the wavelets.

15 3. An apparatus as claimed in claim 1 ~~or 2~~, characterized in that the summers are filters adapted to the standard called JPEG 2000.

20 4. An apparatus as claimed in ^{claim 1} ~~one of the claims 1 to 3~~ comprising a plurality of image processing filters among which are high-pass and low-pass filters, characterized in that the output of at least one of the high-pass filters is estimated while taking the value of the output of a low-pass filter into account.

A 5. A method utilized in an apparatus as claimed in ^{claim 1} ~~one of the claims 1 to 4~~ comprising an image processing circuit formed by high-pass and low-pass image filters, characterized in that it comprises the following steps:

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- estimation of the value of the output of at least one of said high-pass filters,
 - normalization of this value by means of the value of the output of a low-pass filter,
 - control of the focusing system with a view to obtaining a maximum value of the normalized signal,

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6. A method as claimed in claim 5, characterized in that it further includes the
- 5 following steps when said threshold value is not exceeded:
- estimation of another value coming from one of said high-pass filters,
 - release for taking the photo if this other value exceeds a threshold,
 - taking another output of another high-pas filter into account if the latter threshold is not exceeded.